

Summary

Deliverable 5.1 Countermeasures for drivers, operators, and enforcement. Content of the cloud-based coaching and support system

WPS

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Deliverable 5.1 presents the countermeasures developed for the PANACEA platform and represents the content of the cloud-based coaching and support system.

In PANACEA, operational, tactical and strategic countermeasures are defined in relation to the work shift and described in Table E1.

Table E1: PANACEA definition of countermeasure levels

	Operational	Tactical	Strategic
<i>Time frame from impairment that countermeasure is deployed</i>	Short-term – occurring during the shift when impairment is detected	Mid-term – soon after but not during the shift impairment is detected	Long-term - requiring ongoing engagement for prolonged period after the shift impairment is detected

There were two distinct stages in the methodology for the selection and development of countermeasures. The first was the identification of operational, tactical and strategic countermeasures which resulted in a shortlist of countermeasures per target user (driver, operator and enforcement). The second was a final selection of countermeasures and the development of their content. 10 countermeasures are presented in total:

- Three countermeasures aimed at the driver: Fatigue Report (Tactical), Fatigue Questionnaire (Strategic), Stress Management (operational).
- Three countermeasures aimed at the operator: Fatigue Debriefing (strategic), Fatigue Alert (Operational), Licit Drug Debriefing (Operational – Strategic).
- Four countermeasures aimed at enforcement: Roadside assessment – Drugs (Operational), Roadside assessment – Alcohol (operational), Training of enforcement officers – Drugs (Tactical), Training of enforcement officers – Alcohol (Tactical)